(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 9 September 2005 (09.09.2005)

PCT

(10) International Publication Number WO 2005/082744 A1

(51) International Patent Classification⁷: F16K 17/06

B65D 83/14,

(21) International Application Number:

PCT/IB2004/002522

(22) International Filing Date: 5 August 2004 (05.08.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 04405059.9

и.

30 January 2004 (30.01.2004) EP

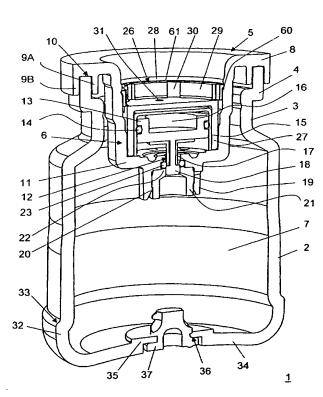
- (71) Applicant (for all designated States except US): KELTUB B.V. [NIJNI.]; Wolput Postbus 28, NL-5250 AA Vlijmen (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): REGAN, Phil

[GB/NL]; Grote Straat 26, NL-5151 JE Drunen (NL). VAN SWIETEN, Roy [NL/NL]; Stationsweg 4, NL-5321 NH Hedel (NL).

- (74) Agent: SPIERENBURG, Pieter; Spierenburg & Partner AG, Patent- und Markenanwälte, Mellingerstrasse 12, CH-5443 Niedeπohrdorf (CH).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MID, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: PRESSURE CONTROL DEVICE



(57) Abstract: The present invention concerns a pressure control system with a pressure control device (1) for maintaining a constant predetermined excess pressure arranged in a fluid dispensing container (50; 60). The pressure control device comprises a first cylinder (15), a piston (13) movable within said first cylinder filled with a gas exerting said predetermined excess pressure. a second chamber (7), a passageway from the second chamber (7) to the outside of the device leading to the container (50; 60), a valve (18, 23) for releasing and closing said passageway. The second chamber is substantially a second cylinder (2) with a closed end (34) and an open end provided with a rim part (4), on which a closure (5) is mounted to close the second chamber, such that the second chamber is encompassing the first chamber, wherein the first chamber is part of the closure.

WO 2005/082744 A1

GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NI., PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

with amended claims and statement

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

with international search report